

DECLARATION  
and POWER OF ATTORNEY

☒ ORIGINAL  
☐ CONTINUATION-IN-PART  
☐ DIVISIONAL

As a below named inventor, I declare that the information given herein is true, that I believe that I am the original, first and sole inventor (if only one name is listed as 1 below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

VSB RECEPTION SYSTEM WITH ENHANCED SIGNAL DETECTION FOR PROCESSING SUPPLEMENTAL DATA

the specification of which is attached hereto unless the following box is checked:

☒ was filed on 08/20/2001 as United States Application Number or PCT International Application Number 09/533,206  
and was amended on \_\_\_\_\_

My residence, post office address and citizenship are as stated below next to my name.

I acknowledge my duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations § 1.55(a). I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I hereby claim foreign priority benefits under Title 35, United States Code, § 119 OR 35(c) of any foreign application(s) for patent or inventor's certificate, or 35(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)

COUNTRY	APPLICATION NUMBER	DATE OF FILING Month Day Year	PRIORITY CLAIMED UNDER 35 U.S.C. 119
Republic of Korea	2001-3304	January 18, 2001	YES

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.50(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

(Application Serial No.)

(Filing Date)

(Status)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or Agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

JONATHAN Y. KANG, REG. NO. 38,199; F. JASON FAR-HADIAN, REG. NO. 42,529; AMIT S. SHETH 50,178; RICHARD K. YOON, REG. NO. 42,247; EDWARD GRAY, REG. NO. 38,166.

Send correspondence to:

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LEE, HONG, DEGERMAN, KANG & SCHMADEKA  
801 S. Figueroa Street,  
14<sup>th</sup> Floor  
Los Angeles, CA 90017-5554

DIRECT TELEPHONE CALLS TO:

JONATHAN Y. KANG  
213-244-7077

(Please Print)

1	Name of Inventor In Hwan Choi	Residence: CITY Seoul	STATE or COUNTRY Republic of Korea
	Mailing Address 173-16 Shinhung-dong, Kumcheon-gu, Seoul Korea		CITIZENSHIP Republic of Korea
2	Name of Inventor Young Mo Gu	Residence: CITY Seoul	STATE or COUNTRY Republic of Korea
	Mailing Address Hyundai 107-1105, Tangsan-dong-2ga, Youngdungpo-gu, Seoul, Korea		CITIZENSHIP Republic of Korea
3	Name of Inventor Kyung Won Kang	Residence: CITY Seoul	STATE or COUNTRY Republic of Korea
	Mailing Address 101, 4-70, Changchon-dong, Sodaeun-gu, Seoul, Korea		CITIZENSHIP Republic of Korea
4	Name of Inventor Kook Yeon Kwak	Residence: CITY Kyonggi-do	STATE or COUNTRY Republic of Korea
	Mailing Address Mokwonshindanga APT., 901-503, Hoge2-dong, Tongan-gu, Anyang-shi, Kyonggi-do, Korea		CITIZENSHIP Republic of Korea

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 1	SIGNATURE OF INVENTOR 2
DATE	DATE <u>02/28/04</u>
SIGNATURE OF INVENTOR 3	SIGNATURE OF INVENTOR 4
DATE	DATE

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and POWER OF ATTORNEY

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I acknowledge my duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations § 1.56(a).  
I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment related to above.  
I hereby claim foreign priority benefits under Title 35, United States Code, § 119 OR 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which, designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)

COUNTRY	APPLICATION NUMBER	DATE OF FILING Month Day Year	PRIORITY CLAIMED UNDER 35 U.S.C. 119
Republic of Korea	2001-3804	January 19, 2001	YES

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

(Application Serial No.) (Filing Date) (Status)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or Agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

JONATHAN Y. KANG, REG. NO. 88,199; F. JASON FARHADIAN, REG. NO. 42,623; AMIT S. SHETH ESQ, 176; RICHARD K. YOON, REG. NO. 42,247; EDWARD GRAY, REG. NO. 65,168.

Send correspondence to:

JONATHAN Y. KANG, ESQ.  
LEE, HONG, DEGERMAN, KANG & SCHMADEKA  
801 E. Figueroa Street,  
14<sup>th</sup> Floor  
Los Angeles, CA 90017-5554

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2	Name of Inventor Young Mo Gu	Residence: CITY Seoul	STATE or COUNTRY Republic of Korea
	Mailing Address Hyundai 102-1106, Tongsan-dong-2ga, Youngdungpo-gu, Seoul, Korea		CITIZENSHIP Republic of Korea
3	Name of Inventor Kyung Won Kang	Residence: CITY Seoul	STATE or COUNTRY Republic of Korea
	Mailing Address 101-4-70, Changchon-dong, Sodaemun-gu, Seoul, Korea		CITIZENSHIP Republic of Korea
4	Name of Inventor Kook Yeon Kwak	Residence: CITY Kyonggi-do	STATE or COUNTRY Republic of Korea
	Mailing Address Makreonsahindong APT., 801-503, Hoga2-dong, Tongsan-gu, Anyang-shi, Kyonggi-do, Korea		CITIZENSHIP Republic of Korea

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SIGNATURE OF INVENTOR 1	SIGNATURE OF INVENTOR 2
DATE 2004-02-27	DATE
SIGNATURE OF INVENTOR 3	SIGNATURE OF INVENTOR 4
DATE 2004-2-27	DATE 2004.2.27

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ASSIGNMENT

Insert Name(s) of Inventor(s)

In Hwan CHOI  
Kyung Won KANG

Young Mo GU  
Kook Yeon KWAK

Insert name of Assignee

LG Electronics Inc.

Insert state of Incorporation of  
Assignee

Republic of Korea

Insert address of Assignee

of  
20, Yoido-dong, Youngdungpo-gu, Seoul, Korea

(hereinafter designated as the Assignee) the entire worldwide right, title and interest in  
the invention known as

Insert identification of Invention, such  
as Title, Case Number or Foreign  
Application Number

**VSB RECEPTION SYSTEM WITH ENHANCED SIGNAL DETECTION FOR  
PROCESSING SUPPLEMENTAL DATA**

for which the undersigned has (have) executed an application for patent in the United  
States of America and all patent applications in foreign countries corresponding thereto  
or based thereon.

Insert Date of Signing of Application

- 1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.
- 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.
- 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.  
The undersigned hereby appoints JONATHAN Y. KANG, REG. NO. 38,199; RICHARD K. YOON, REG. NO. 42,247; EDWARD GRAY, REG. NO. 35,166; DAVID N. MAKOUS, REG. NO. 29,559; JOHN S. CHRISTOPHER, REG. NO. 30,937

the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with  
the rules of the United States Patent and Trademark Office for recordation of this document.

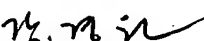
Date: 2001.8.8

Signature of Inventor 

Date:

Signature of Inventor

Date: 2001.8.8

Signature of Inventor 

Date: 2001.8.8

Signature of Inventor 

## ASSIGNMENT

Insert Name(s) of Inventor(s)

In Hwan CHOI  
Kyung Won KANGYoung Mo GU  
Kook Yeon KWAK

Insert name of Assignee

Insert state of Incorporation of  
Assignee

Insert address of Assignee

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

LG Electronics Inc.

Republic of Korea

of

20, Yoido-dong, Youngdungpo-gu, Seoul, Korea

(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

Insert Identification of Invention, such  
as Title, Case Number or Foreign  
Application Number

**VSΒ RECEPTION SYSTEM WITH ENHANCED SINGAL DETECTION FOR  
PROCESSING SUPPLEMENTAL DATA**

for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.

Insert Date of Signing of Application

1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.  
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the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: Signature of Inventor

Date: August 8, 2001 Signature of Inventor

Date: Signature of Inventor

Date: Signature of Inventor